

# Work Order ID 126669

Thursday, November 20, 2014 1:35:15 PM

**\*126669\***

Page 1

Item ID: 41228-301-005-007

Accept

**\*N900040100\***

Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: 412 Decal (No Step)

Start Date: 11/21/14 Start Qty: 12.00

**\*12\***

Cust Item ID:

Required Date: 11/26/14 Req'd Qty: 12.00

**\*12\***

Customer:

Reference:

Approvals:

Process Plan: 

Date: 14-11-20

Tooling:

Date:

Run Start **\*NR1\***

QC:

Date:

SPC (Y/N):

Date:

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
41228-301-005	E								

100

0.00

**\*100\***

Purchasing

Memo

0.00

Purchasing

Issue P/O: 26577

E-mail or Ship electronic file and or dwg to vendor

Manufacture as per Dwg and supplied files

Possible supplier: Studio Letrage

Material release note is required.

*CL 14/11/20 12*

110

Receive & Inspect for Damage & Mat'l Certs

0.00

**\*110\***

Packaging

Memo

0.00

Packaging

*BK SP 14-11-24*

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Setup									
Process									
Supplier									
Training									
Transport									
Unapproved									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other
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**Work Order ID 126669****\*126669\***

Page 2

Thursday, November 20, 2014 1:35:15 PM

Item ID: 41228-301-005-007

Accept

**\*N900040100\***Setup Start **\*NS1\***

Revision ID:

Stop **\*NS2\***

Item Name: 412 Decal (No Step)

Start Date: 11/21/14 Start Qty: 12.00

**\*12\***

Cust Item ID:

Required Date: 11/26/14 Req'd Qty: 12.00

**\*12\***

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start **\*NR1\***

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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120

QC6- Inspect dimensions to drawing

0.00

**\*120\***

QC

Memo

0.00

Quality Control

1338  
9-89

NOV 27 2014

130

Identify as per dwg & Stock Location: 8571 0.00**\*130\***

Packaging

Memo

0.00

Packaging

13DAS  
06  
9-89

NOV 27 2014

140

QC21- Final Inspection - Work Order Release 0.00

**\*140\***

QC

Memo

0.00

Quality Control

MLJ 14-11-28CMF  
14-11-27

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Work Order: _____  Part No. _____  NCR No. _____	<b>DISPOSITION</b>  Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Suspected Unapproved <input type="checkbox"/>	<b>AGAINST DEPARTMENT/PROCESS</b>  <div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/>            Machining <input type="checkbox"/>            Thermoforming <input type="checkbox"/>            Large Fab <input type="checkbox"/> </div> <div>           Crosstube <input type="checkbox"/>            Small Fab <input type="checkbox"/>            Finishing <input type="checkbox"/>            Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/>            Prod. Eng. Coord. <input type="checkbox"/>            Rec/Store/Packaging <input type="checkbox"/>            Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/>            Quality <input type="checkbox"/>            Other <input type="checkbox"/> </div> </div>
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Root Cause	Date	Step	Qty	Description of work order update or non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Design									
Doc/Data									
Equip/Tooling									
Handling/Pre									
Material									
Operator									
Offset/Set-up									
Process									
Supplier									
Training									
Transport									
Unapproved									

### FAULT CATEGORY

<b>Landing Gear</b> <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric <input type="checkbox"/> Cracks <input type="checkbox"/> Crimp/Kink/Ripple/Wave <input type="checkbox"/> Cuffs <input type="checkbox"/> Crushing <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Marks/Chatter <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	<b>General</b> <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damage/Defect <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drawing <input type="checkbox"/> Drill Holes <input type="checkbox"/> Finish <input type="checkbox"/> Fit/Function	<input type="checkbox"/> Folio/Program <input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete/Unqualified <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Misaligned/off center <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Off-set <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence	<input type="checkbox"/> Outside Dimensions <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge  <input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Set-up <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled  <input type="checkbox"/> Other
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# Picklist Print

Page 1

Thursday, November 20, 2014 1:35:20 PM

Work Order ID: 126669

**\*126669\***

Parent Item: 41228-301-005-007

**\*41228-301-005-007\***

Parent Item Name: 412 Decal (No Step)

Start Date: 11/21/14

Required Date: 11/26/14

Start Qty: 12.00

Required Qty: 12.00

Comments: IPP REV:A 14.11.20 NEW ISSUE DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
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41228-301-005-007P

Purchased

No

Each

0.0000

**\*41228-301-005-007P\*****\*\***

412 Decal (No Step)

12/13<sup>x</sup>~~12~~ 13x

SP14-11-27

DQA: \_\_\_\_\_ Date: \_\_\_\_\_



## WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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Doc/Data									
Equip/Tooling									
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Operator									
Offset/Setup									
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Supplier									
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4 ALL PLACARDS WILL BE CUT TO SIZE AFTER PRINTING.

.25  
(TYP)

-017

BLACK LETTERS ON WHITE BACKGROUND

-007

RED LETTERS ON WHITE BACKGROUND

.25  
(TYP)

-019

019  
BLACK LETTERS ON WHITE BACKGROUND

-01.

BLACK LETTERS ON WHITE BACKGROUND

-01

BLACK LETTERS ON WHITE BACKGROUND

-01

BLACK LETTERS ON WHITE BACKGROUND

-02

BLACK LETTERS ON WHITE BACKGROUND

.18  
(TYP)

-003

RED LETTERS ON WHITE BACKGROUND

1.00

-002

BLACK LETTERS ON WHITE BACKGROUND


(TYP) T

-001

BLACK LETTERS ON WHITE BACKGROUND

QASH No.	QTY REQD	NEXT ASSY(S)
-001 -002		41228-200-003
-003		41228-301-016 41228-300-002
-007		20528-205-001 41228-200-002
-013		41228-200-003
-015		20528-200-001 41228-200-003

ORIGINAL DATE 09-02-87  
(MO-DA-YR) CHECKED  
DRAWN BY T. HARNVILLE  
DRAWING APPROVAL  
CONTRACT No.  
UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
TOLERANCES ON  
2 PLACE DIMSLS ± .01  
3 PLACE DIMSLS ± .005  
ANGLES ±

 <b>APICAL</b> INDUSTRIES, INC.				4000 MAPLE STREET, N.E. ALBUQUERQUE, NM 87109-2505 (703) 750-4000	
<h1>PLACARDS-EXTERNAL</h1>					
SIZE <b>B</b>	CAGE CODE 07M2B	DWG. NO. <b>41228-301-005</b>			REV <b>E</b>
SCALE NONE		SHEET 1 of 2			

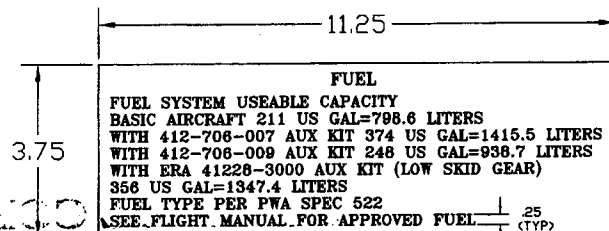
CONTROL COPY  
ISSUED DATE

JAN 15 2013

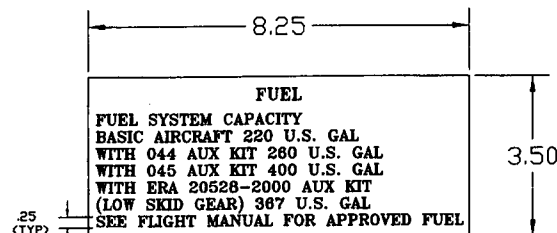
REVIEWS			
REV	DESCRIPTION	DATE	APPROVED
A	INCORPORATED E.D.'S A-1, A-2, A-3, & A-4, CORRECTED POWER DISCREPANCIES, AND CHANGED PARAGRAPH FROM 'C' SIZE TO 'D' SIZE.	12-18-87	
B	INCORPORATED E.D. B-1, ADDED PLACARDS - CELL ADDED SHT. 2, AND ADJUSTED L/W & NEXT ASST.	06-27-88	
C	INCORPORATED E.D.'S C-1 & C-2 AND ADJUSTED L/W & NEXT ASST.	05-23-89	
D	REDUCED DVG FROM 'D' TO 'C' AND ADDED SHT. 3.	08-17-89	
E	INCORPORATED E.D. D6060.	11-13-92	P. BRAVO

1 2 3 4 5 6 7 8

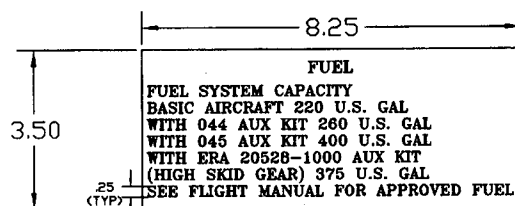
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.



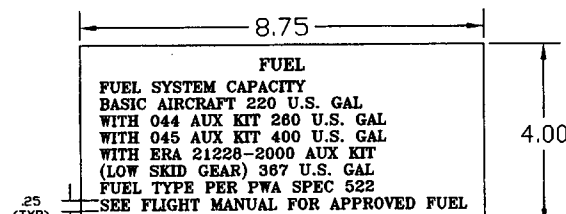
-022  
 BLACK LETTERS ON WHITE BACKGROUND




-026  
 BLACK LETTERS ON WHITE BACKGROUND



-024  
 BLACK LETTERS ON WHITE BACKGROUND



-028  
 BLACK LETTERS ON WHITE BACKGROUND

ORIGINAL DATE 00-02-67 (REV. 04-70)		 <b>APICAL</b> INDUSTRIES, INC. 2000 W. 10th St. P.O. Box 1000 Tulsa, Oklahoma 74101
DRAWN BY T. HANVILLE		
DRAWING APPROVAL		
CONTRACT NO.		PLACARDS-EXTERNAL
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES 1/8" = 1" TOLERANCES: .0005" .001" .002" .005" .010" .015" .030" .050" .100" .150" .250" .500" 1.000"		SIZE B CASE CODE 07M20 41228-301-005 SCALE NONE SHEET 2 of 2





Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO26577

Purchase Order Date 11/20/2014

PO Print Date 11/20/2014

Page Number 1 of 2

Order From :

VC-STU001

STUDIO DE LETTRAGE 2001  
210 MAIN WEST  
HAWKESBURY, ON K6A 2H6  
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

PO26577

Contact Name

Vendor Phone 613 632 5449

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	41228-301-005-007P  AS PER DWG 41228-301-005-007 REV. E B126669	412 Decal (No Step)	11/24/2014 No 11/24/2014	FN	12.00 Each	\$6.67	\$80.0
						Line Total:	\$80.0
2	71401-45  Procurement Quality Clauses A005 RIGHT OF ENTRY A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER) A013 SHELF LIFE CONTROLLED MATERIAL; 80% SHELF LIFE REQUIRED AT RECEIPT A026 CERTIFICATION OF MATERIAL CONFORMANCE A040 NOTIFICATION OF QUALITY ESCAPE A042 DART NOTIFICATION BY SUPPLIER A043 RETENTION OF QUALITY DOCUMENTS	PROCUREMENT QUALITY CLAUSES	11/24/2014 No 11/24/2014		1.00	\$0.00	\$0.0

rec'd 13x  
14-11-27

Note:

11/20/2014

**210 Main Street W  
Hawkesbury, Ontario K6A 2H6**

Invoice No.: 23451  
Date: 11/27/2014  
Ship Date:  
Page: 1  
Re: Order No. WO14077

**Sold to:**

**Dart Aerospace Ltd**  
1270 Aberdeen  
Hawkesbury, Ontario K6A 1K7

**Ship to:**

Dart Aerospace Ltd  
Hawkesbury, Ontario

**632-9577**

Business No.: 82500 7651 RT0001

[illegible]

\*\*\*\*Certificate of Conformity\*\*\*\*

Customer:

Studio de Lettrage

Purchase Order #:

26577

Packing Slip #:

W001 14077

Part #:

Serial #:

Description:

41228-301-005-007P

Quantity:

12

Certification:

We hereby certify that:

1. The above the listed items were manufactured, repaired and/or inspected in accordance with applicable drawings and/or specifications;
2. All work was accomplished in accordance with the Dart Aerospace Purchase Order;
3. Results of all inspections, chemical or physical tests, as well as other evidence, which shows the acceptability of raw materials, parts and/or assembly components are on file and available for inspection at any time.

Authority:

Avery

APPROVAL:

Valerie Young

DATE:

NOV 27, 2014.

Signature:

Val Y

Title:

Office Administrator

## PRODUCT DATA SHEET



### Avery® IPM™ 2031

issued: 01/04/2005

#### Introduction

Avery® IPM™ 2031 is a high quality pressure-sensitive vinyl film, designed for use on wide format inkjet printers. Avery® IPM™ 2031 has excellent printing properties, allowing crisp print quality with bright and vibrant colours. Avery® IPM™ 2031 offers rapid ink drying and a water-resistant material. It combines good adhesion during its life and easy removal afterwards.

#### Description

Facefilm: 80-micron premium white calendered, topcoated vinyl.  
Adhesive: removable, acrylic based  
Backing paper: one side coated kraft paper, 140 g/m<sup>2</sup>

#### Features

- Excellent printability
- Vibrant and bright colours
- Crisp print quality
- Spray water resistant wit specific pigmented inks
- Good adhesion, excellent removability
- Warranty on outdoor durability

#### Recommendations for use

A wide variety of full-colour graphics for indoor - and short/medium term outdoor applications such as posters, murals, displays, exhibition stands, vehicle graphics etc. Avery® IPM™ 2031 is suitable for application to a wide variety of substrates and will remove cleanly for up to 1 year after application.

IPM media should be handled with care as any surface contamination may affect the print quality. Media should be processed in an environment of 15-25°C and 30-70% relative humidity. After drying, the finished prints should be wrapped in polyethylene film and despatched flat or rolled with the printed side facing outwards. To protect prints against water, UV/light and abrasion, overlamination with a clear film is recommended. For specific details of Avery® DOL combinations, refer to "Technical Bulletin 5.3. Recommended combinations of Avery® Overlaminates and Avery® Digital Print Media"

**Always test your combination of Avery® IPM™ medium, inkjet printer and inks prior to commercial use.**

#### Compatibility

Avery® IPM™ 2031 is compatible with a broad selection of inkjet printers, when printing with pigmented, water based inks. For specific details refer to "Technical Bulletin 5.6 Avery Dennison Inkjet Print Media - Printer compatibility".

#### Durability:

Avery® IPM™ 2031 is warranted for outdoor use in conjunction with pigmented outdoor inks from HP, Encad and Colorspan. The warranted period varies from type of application and type of overlaminate from 18 months up to 5 years. For full details, see our Avery® IPM™ Outdoor warranty.



Graphics Division  
Pindijk 88, P.O. Box 118  
2394 ZG Hazerswoude - The Netherlands  
Tel +31 71 3421500 - Fax +31 71 3421539

## PRODUCT CHARACTERISTICS

Avery® IPM™ 2031

### Physical properties

#### Features

Caliper, facefilm

Gloss

Dimensional stability

Adhesion, initial

Adhesion, ultimate

Flammability

Accelerating ageing

Shelf life

Removability

Not when applied to: Nitro-cellulose paints, ABS, Polystyrene, certain types of PVC

#### Durability<sup>2</sup>

#### Test method<sup>1</sup>

ISO 534

ISO 2813, 20°

DIN 30646

FINAT FTM-1, stainless steel

FINAT FTM-1, stainless steel

DIN 53587, 500h exposure

Stored at 22° C/50-55 % RH

#### Results

80 µm

1%

0.3 mm. max

180 N/m

260 N/m

Self extinguishing

No negative impact on film

Performance

2 years

up to 1 year

Overlaminated with DOL 4300

5 years

Overlaminated with DOL 1000, DOL 1100

with overlaps

3 years

Overlaminated without overlaps

for static applications only

2 years

Without overlaminate and used for static,

Non-abrasive application ONLY

18 months

Only when printed with ENCAD GO, HP and Colorsan pigmented inks and when properly applied in accordance with our application instructions. Only applicable for vertical exposure.

### Temperature range

#### Features

Application temperature

Service temperature

#### Results

Minimum: +10°C

-20°C to +80°C

#### Important

Information on physical and chemical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of this material to their specific use.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of these Conditions, the English version shall be controlling.

#### Warranty

Avery® branded materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give any guarantee, warranty, or make any representation contrary to the foregoing.

All Avery® branded materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

#### 1) Test methods

More information about our test methods can be found on our website.

#### 2) Durability

The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased.



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## Procurement Quality Clauses

### A000 QUALITY CLAUSES NOT REQUIRED

Non-shippable items, for Dart Aerospace internal use only.

### A001 STATISTICAL PROCESS CONTROL

The supplier must apply Statistical Process Control (SPC) to this purchase order. A (Cpk) of 1.33 or greater is required. Each shipment must be accompanied with a signed copy of the applicable SPC Control Plan(s). The Control Characteristic listed in SPC Control Plan shall be approved by DART AEROSPACE Quality Assurance prior to commencing with production / processing.

### A002 FABRICATION INSPECTION SYSTEM (FIS) FAR21.303

The supplier's shall maintain a FIS in compliance with the requirements of FAR 21.303 (h). The FIS shall be approved and subject to audit by FAA, or its representative at any time.

### A003 QUALITY SYSTEM SURVEILLANCE

As a DART AEROSPACE supplier manufacturing a product requiring DART AEROSPACE Customer and/or regulatory approval, the Seller's "Quality Control System" shall be subject to surveillance by DART AEROSPACE and the FAA.

### A004 FAA-PMA /TSO

As a DART AEROSPACE supplier manufacturing an article or component for which DART AEROSPACE holds Supplemental Type Certificates (STC), your inspection system shall be subject to inspection by DART AEROSPACE at a level commensurate with criticalness of the article or component.

### A005 RIGHT OF ENTRY

Allows DART AEROSPACE, its customers and regulatory agencies the right of access, through prior notification, to determine and verify the quality of work, applicable quality records and materials at all applicable area of all facilities, at any level of the supply chain, involved in the order.

### A006 REQUIREMENTS FOR AIRWORTHINESS CERTIFICATION

Conformity Certification is required for articles specified on this purchase document. Include with each shipment, a true copy of Form One, Authorized Release Certificate, for Airworthiness. Foreign government equivalent to FAA Form 8130-3 is acceptable for imported articles.

### A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

FAI shall be performed on all new or revised production manufactured items by seller at seller's facility. Results shall be documented on a report identified as "First Article Inspection Report" (FAIR). The report will be maintained at the seller's facility, and be available for review by Dart Aerospace when requested.

### A008 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO DART AEROSPACE)

FAI's shall be performed on all new or revised production manufactured items by seller at seller's facility. Results will be documented on a report identified as a "First Article Inspection Report" (FAIR). The identified first article unit and the FAIR will be sent to Dart Aerospace.



## **Procurement Quality Clauses**

### **A009 FIRST ARTICLE INSPECTION (FAI) BY DART AEROSPACE AT SELLER'S FACILITY**

FAI and/or test shall be accomplished at the Seller's facility before the balance of order may be shipped. DART AEROSPACE will conduct or witness inspections and/or tests and the results will be on a report form identified as "First Article Inspection Report".

### **A010 DART AEROSPACE SOURCE INSPECTIONS**

Dart Aerospace inspection is required prior to shipment from your facility. Evidence of such inspection must be included in your packing documents accompanying each shipment. You must contact Dart Aerospace's buyer and establish verification arrangements and the method of product release. Drawings, inspection/test documents, and specifications, as applicable, covering material on this order shall be available for inspection at your facility.

### **A011 DELEGATIONS -SUPPLIER VERIFICATION OF DART AEROSPACE PRODUCT**

The supplier has met the requirements established by DART AEROSPACE quality organization for the verification of DART product.

### **A012 CHEMICAL AND PHYSICAL TEST REPORTS**

Each shipment must be accompanied by one (1) legible and reproducible copy of all chemical and physical test reports identifiable with materials ordered. The reports must contain the signature and title of the authorized representative of the agency performing the test and must assure conformance to specification requirements.

### **A013 SHELF LIFE CONTROLLED MATERIAL; 80% SHELF LIFE REQUIRED AT RECEIPT**

Time sensitive material shall be furnished with a minimum of 80% of its shelf life remaining at date of shipment. Shelf life duration, date of manufacture and date of expiration shall be listed on material certification.

### **A014 SHELF LIFE CONTROLLED MATERIAL; 70% SHELF LIFE REQUIRED AT RECEIPT**

Time sensitive material shall be furnished with a minimum of 70% of its shelf life remaining at date of shipment. Shelf life duration, date of manufacture and date of expiration shall be listed on material certification.

### **A015 SHELF LIFE CONTROLLED MATERIAL; 60% SHELF LIFE REQUIRED AT RECEIPT**

Time sensitive material shall be furnished with a minimum of 60% of its shelf life remaining at date of shipment. Shelf life duration, date of manufacture and date of expiration shall be listed on material certification.

### **A016 PERSONNEL QUALIFICATION**

Supplier shall ensure all employees performing quality sensitive tasks on Dart products are qualified to perform the task associated with the product and this information is available in their training records.



## Procurement Quality Clauses

### A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

#### A. Sheet or Plate Stock -Metallic or Non-Metallic

Each sheet or plate shipped shall be identified by continuous stenciling, of sufficient size to be readily legible, applied by permanent ink or dye of contrasting color, non-injurious to metal surfaces and not soluble.

#### B. Rod, Bar or Tube -all shapes -1/2 inch cross section or larger

Each length of Rod, Bar or Tube shipped shall be identified at one end or by continuous stenciling, of sufficient size to be readily legible, applied by permanent ink or dye of contrasting color, non-injurious to metal surfaces and not soluble in cutting and coolant oils. If continuous, spacing between groups of stencil letters shall not exceed twelve (12) inches. Information shall include material type or designation, material specification and temper.

#### C. Rod, Bar or Tube -all shapes -Smaller than 1/2 inch cross section

Rod, bar or tube shipped shall be bundled together; each bundle containing materials from the same (manufacturing/heat treatment) batch, and shall be identified as follows: An adhesive label or identification tag shall be securely attached to each bundle. This label or tag shall be permanently marked to indicate material type or designation, material specification and temper.

#### D. Castings / Forging -Ferrous or Non-Ferrous

Material shipped shall be identified with the part number, "melt" number, heat treat lot (if applicable) and serial number (if applicable). Identification of parts shall be in accordance with applicable drawings/specifications. Where drawings or specifications do not define method of identification, such identification shall be effected in accordance with MIL-STD-130.

#### E. Extrusions

Each length of extrusion shall be identified at one end or by continuous stenciling, of sufficient size to be readily legible, applied by permanent ink or dye of contrasting color, non-injurious to metal surfaces and not soluble in cutting and coolant oils. If continuous, spacing between groups of stencil letters shall not exceed twelve inches. Information shall include material type or designation, material specification, temper and heat lot number.

### A018 ELECTRICAL EQUIPMENT

Each shipment shall be accompanied by one (1) legible and reproducible copy of a certificate containing the signature and title of the person authorizing the release of product. The certificate shall contain the part number, specification to which they conform, and general characteristic. When the parts are serialized, serial numbers shall be included on the certification. Manufacturer will maintain test reports, specification conformation and general characteristics on-site and available upon request.

### A019 ELECTRICAL CABLES (WIRES)

Electrical cables shall be identified with the part number and manufacturing code. The spool, and Certificate of Conformance shall be identified per applicable standard/specification with the following information: standard / specification, size code, manufacturing year, country code (if applicable), and manufacturer.





## Procurement Quality Clauses

### A020 NON-DESTRUCTIVE TEST/INSPECTION IDENTIFICATION

All parts found to be acceptable by non-destructive testing methods are to be so identified by placing the proper acceptance test /inspection stamp on such acceptable parts. All parts found to be unacceptable are to be so identified by placing the proper withholding stamp on such defective parts. In those cases where NDT testing is being performed by a lower-tier supplier and his acceptance stamp is obliterated by further processing a copy of the lower-tier's certification must accompany shipment to DART AEROSPACE.

### A021 DART AEROSPACE PROCESSING

Seller shall assure that any process and or non-destructive test (NDT) requested on this purchase order shall be performed only by sources currently appearing on the DART AEROSPACE's "List of Approved Vendors" for the specific type of work to be conducted.

### A022 APICAL PROCESSING

Seller shall assure that any process work to be performed on Apical design and/or Part numbers by the Seller or its suppliers shall be performed only by sources noted in the latest published Apical Document Number MPP-120. MPP-120 Sources were used shall be submitted with AS9102 First Article Inspection Report and as requested by Dart Aerospace.

### A023 IDENTIFICATION OF "DANGEROUS GOODS"

A "Dangerous Goods" decal must be applied to the outer container of the item being shipped and to the associated shipping document (shipper). Also, one copy of the applicable MSDS sheet must be provided with each shipment.

This is in addition to federal & provincial requirements noted in IATA & DOT CFR. It does not relieve the supplier of their responsibility to comply with any marking & labeling requirements set forth in the IATA & DOT CFR or any other legal documentation that may apply to this shipment.

### A024 PROCESS CERTIFICATIONS

Each shipment shall be accompanied by one (1) legible and reproducible copy of a certificate that must include the signature and title of the person authorizing release of product certifying all processes used, such as heat treating, welding, NDT, surface preparation and treatment, etc. The certificate shall include the processing used, the specification to which they conform and the name of the agency that performed them if other than the seller (i.e. sub-vendor). When the parts are serialized, serial numbers shall be included on the certification.

### A025 CERTIFICATE OF CONFORMANCE

Each shipment shall be accompanied by one (1) legible and reproducible copy of a Certification Document (Certificate of Conformance, Shipper, Packing List, etc.) that includes the identification (signature, electronic signature, stamp, etc.) of the person authorizing release of product assuring the items ordered were produced in accordance with and conforming in all respects with all applicable requirements set forth in Buyer's Standard Purchase Order Terms and Conditions and/or its contract



## **Procurement Quality Clauses**

with Seller, including specifications, drawings, revision, marking requirements, physical item identification and electrical characteristics when applicable. When the parts are serialized, serial numbers shall be included on the certification.



## Procurement Quality Clauses

### A026 CERTIFICATION OF MATERIAL CONFORMANCE

Each shipment shall be accompanied by one (1) legible and reproducible copy of a Certification Document (Certificate of Conformance, Shipper, Packing List, etc.) that includes the identification (signature, electronic signature, stamp, etc. of the person authorizing release of product certifying each material used to fabricate the items ordered in this "Purchase Order".

### A027 FLAMMABILITY TEST

Test reports showing actual results of flammability test which meet the requirements of FAR 25.853(a) and signed by a responsible party shall accompany this shipment.

### A028 FLAMMABILITY TEST

Flammability Test reports showing actual results of flammability test(s). Reports must show Fire Worthiness resistance shall be such that the requirements of FAR 25.853 (a), Amendment 25-116 (60-Second Vertical Bunsen Burner Test). Appendix F, Part I will be met, or the latest revision of the Aircraft Materials Fire Test Handbook (DOT/FAA/AR-00/12).

### A029 FLAMMABILITY TEST

Flammability Test reports verifying Smoke emission shall be such that the requirements of FAR 25.853 (d) Amendment 25-116. Appendix F, Part V will be met, or the latest revision of the Aircraft Materials Fire Test Handbook (DOT/FAA/AR00/12). Reports must include a brief description of the sample and mounting.

### A030 FLAMMABILITY TEST

Flammability Test reports verifying Heat release capability shall be such that the requirements of FAR 25.853 (d), Amendment 25-116. Appendix F, Part IV will be met, or the latest revision of the Aircraft Materials Fire Test Handbook (DOT/FAA/AR-00/12). Reports must include a brief description of the sample and mounting.

### A031 FLAMMABILITY TEST

Flammability Test reports showing actual test results of flammability tests which meet the requirements of FAR 25.856 (a) and AC25.856-1 or the latest revision of the Aircraft Materials Fire Test Handbook (DOT/FAA/AR-00/12).

### A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT

Supplier (Distributor) Certification: A Certification shall accompany each shipment of fasteners/washers, containing the following, as a minimum:

The manufacturer lot number(s) with associates part number(s); Manufacturers name; DART AEROSPACE P.O. number; and a statement to the effect that the manufactures certification (required by the Section 7 of the "Law") is on file with the distributor.

Supplier (Manufacturer) Certification: A Certification in accordance with Section 7 of the "Law" shall accompany each shipment.

Packaging: Each lot shall be packaged in a manner that ensures there will be no co-mingling of like fasteners from different lots in the same container.



## **Procurement Quality Clauses**

Identification: Each package shall be identified with the lot number, name of the parts, part identification number, P.O. number and name of fastener manufacturer.



## Procurement Quality Clauses

### A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

1. When supplier is the fastener manufacturer -Each shipment shall be accompanied by one (1) legible and reproducible copy of a certificate of conformance containing the signature and title of an authorized representative which stated that the fastener have been manufactured in accordance with requirements of the applicable NAS, AN, MS government approved Parts Standard and Procurement Specification; and the chemical / physical test reports required by the government approved Procurement Specification are on file with the manufacturer, and available for review by customer and /or government quality assurance representative upon request.

2. When the supplier is a distributor -Each shipment shall be accompanied by one (1) legible and reproducible copy of conformity to purchase order requirements. The statement of conformity as a minimum shall contain DART AEROSPACE P.O. number, packing slip number; a copy of applicable test records (chemical, physical, processes and NDT) required by the government approved Parts Standard and Procurement Specification are available, or are obtainable upon customer request. The statement of conformity must contain the name of the fastener manufacturer, and shall be signed and dated by an authorized representative.

### A034 INTER COMPANY SHIPPERS

When products are shipped from one Dart Aerospace facility to another, the certification log number of the product being shipped must be recorded on the shipping document.

### A035 OUT TIME REQUIREMENTS

Supplier must record the "out-time" of exposure sensitive material (pre-preg) on packing list.

### A036 PRIORITY DX-A1

Priority DX-A1; This is a rated order certified for national defense use. You are required to follow all the provisions of Defense Priorities and Allocations System regulation (15 CFR 350).

### A037 PRIORITY DO-A1

Priority DO-A1; This is a rated order certified for national defense use. You are required to follow all the provisions of the Defense Priorities and Allocations system regulation (15 CFR 350).

### A038 AS9102 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

A FAI per AS9102 shall be performed on all new or revised manufactured items by the seller or at the seller's facility. Forms other than as identified in the Appendix of AS9102 must contain all required and conditionally required information and use same field reference numbers. Report is to be maintained at seller's facility and available for review at Dart Aerospace's request.

### A039 AS9102 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION SENT TO DART AEROSPACE)

A FAI per AS9102 shall be performed on all new or revised manufactured items by the seller or at the seller's facility. Forms used other than as identified in the Appendix of AS9102 must contain all required



## **Procurement Quality Clauses**

and conditionally required information and use same field reference numbers. The report will be sent to Dart Aerospace.



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### **A040 NOTIFICATION OF QUALITY ESCAPE**

Seller will report to Buyer if a product, article or part has been released from Seller or Seller's subcontractors or suppliers and subsequently found not to conform to the applicable design data.

### **A041 QUALITY MANAGEMENT SYSTEM**

Supplier shall implement, document and maintain a Quality Management System in accordance with applicable requirements of AS9100 series standards or ISO9001 standard and additional requirements specified on Buyers contract or purchase order.

The Quality Management system shall be appropriate to the products the Supplier designs, manufactures, repairs or sells and shall cover all activities concerned by Dart Aerospace contracts or purchase orders.

### **A042 DART NOTIFICATION BY SUPPLIER**

Supplier shall notify Dart of changes in product and / or process, change of supplier and changes of manufacturing facility locations.